



PCB LAYOUT

Electrical Characteristics
 Rated Power: DC5V 5mA Max.
 Output signal: A \ B 2signals
 Resolution: 12 Pulses 360° / 24 Pulses 360°
 Phase difference: 0.08T Min.
 Sliding noise: 3mS Max.
 Contact Resistance: 1 Ω Max.
 Insulation resistance: 100MΩ Min. at DC 250V
 Withstand voltage: AC300V / 1 min

Mechanical
 Total rotation angle: 360°
 Rotational Torque: 1kgf.cm Max
 Click Torque: 20 ~150 gf.cm
 Push-pull Strength of Shaft: 8.0kgf Min.
 Number of Detents: 12 detents Step angle:30°±2°
 24 detents Step angle:15°±2°
 Without detents
 Rotational Life: 30000±200 cycles per 100gf.cm Min.
 Temp. Range: -30 ° C ~ + 85 ° C
 Soldering: 250 ° C 5Sec. Max.

Order Information:

L-KLS4-EC1202 - B XX- XXX

Shaft type and Length Code
 Pulse and Detent Code
 6A: 12 Pulse with 12 Detents
 6B: 12 Pulse without Detent
 8A: 24 Pulse with 24 Detents
 8B: 24 Pulse without Detent

<input checked="" type="checkbox"/>	B	C
<input type="checkbox"/>	D	5
<input type="checkbox"/>	7	

Shaft type

	D=5	D=7
L	15	20
F	7	11.5

GENERAL TOLERANCE	ANGLE TOLERANCE	PROJECTION	Description:
X. ±0.50	X. ±5°	UNITS	12MM Encoder Metal shaft
.X ±0.38	.X ±3°	SHEET SIZE	
.XX ±0.25	.XX ±2°	mm	KLS4-EC1202-BXX-XXX
		A4	

Draw by: Date	2015-09-01	
Check by: Date	2015-09-15	
SCALE	SHEET	OF

KLS ELECTRONIC CO., LTD.